**Table 1. 1998 Summary Statistics**

Item	Value	U.S. Rank	Item	Value	U.S. Rank
NERC Region(s) .....			WSCC		
Net Exporter or Importer .....			Exporter		
Primary Generating Fuel .....			Hydro		
Population (as of 7/98) .....	5,687,832	15	Average Age of Plants (years)		
Average Electricity Price (cents/kWh) <sup>a</sup>	4.03	2	Coal-fired .....	27	
Industrial .....	2.64	1	Petroleum-fired .....	25	
Commercial .....	4.81	2	Gas-fired .....	12	
Residential .....	5.03	1	Nuclear .....	14	
<b>Industry</b>			Hydroelectric .....	31	
Capability (MW) .....	26,167	8	Renewable .....	9	
Generation (MWh) .....	102,074,362	12	<b>Nonutility</b>		
Capability/person (KWe/person) .....	4.6	8	Capability (MW) .....	932	21
Generation/person (MWh/person) .....	17.95	14	Share of Capability (Percent) ...	3.6	38
Emissions (Thousand Short Tons)			Generation (MWh) .....	4,946,810	17
Sulfur Dioxide .....	64	33	Share of Generation (Percent) ..	4.8	33
Nitrogen Oxide .....	52	37			
Carbon Dioxide .....	12,977	40			
Sulfur Dioxide/sq. mile (Tons) .....	0.96	36			
Nitrogen Oxides/sq. mile (Tons) .....	0.78	42			
Carbon Dioxide/sq. mile (Tons) .....	194.91	44			

**Table 2. Five Largest Plants, 1998**

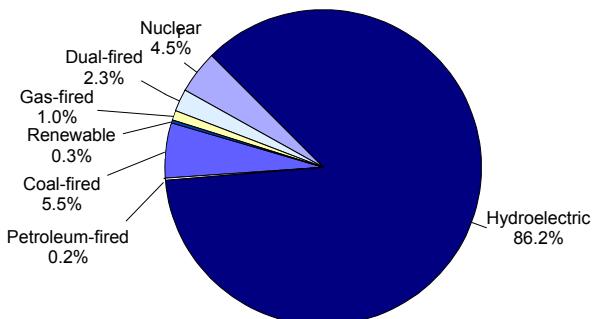
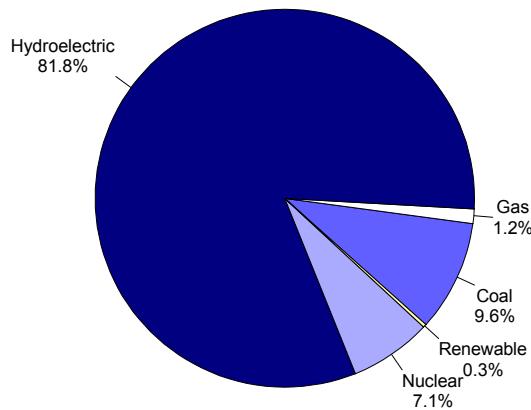
Plant	Energy Source <sup>b</sup>	Operating Company	Net Capability (MW)	Age (Years)
1. Grand Coulee .....	Hydro	Bureau of Reclamation	7,079	57
2. Chief Joseph .....	Hydro	USCE-North Pacific Division	2,337	43
3. Centralia .....	Coal	PacifiCorp	1,340	26
4. Rocky Reach .....	Hydro	PUD No 1 of Chelan County	1,280	37
5. WNP .....	Nuclear	Washington Pub Pwr Supply Sys	1,123	14

**Table 3. Top Five Utilities Ranked by Retail Sales Revenue Within the State, 1998**  
(Million Dollars)

Utility	All Sectors	Residential	Commercial	Industrial	Other
A. Puget Sound Energy, Inc .....	1,213	564	450	189	11
B. Seattle City Light .....	358	135	134	50	39
C. PUD No 1 of Snohomish County .....	279	161	86	31	2
D. Bonneville Power Admin .....	269	--	--	252	18
E. Avista Corporation .....	240	109	104	24	3
Total .....	2,358	968	774	545	71
Percentage of Utility Sales .....	64	61	72	61	54

**Table 4. Electric Power Industry Generating Capability by Plant Type, 1988, 1993, and 1998**  
(Megawatts Electric)

Plant Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility .....	24,146	24,259	25,235	0.5	98.1	97.1	96.4
Coal-fired .....	1,276	1,390	1,390	1.0	5.2	5.6	5.3
Petroleum-fired ....	173	173	62	-10.8	0.7	0.7	0.2
Gas-fired .....	--	--	248	--	--	--	0.9
Dual-fired .....	590	590	590	*	2.4	2.4	2.3
Nuclear .....	1,100	1,100	1,123	0.2	4.5	4.4	4.3
Hydroelectric .....	20,960	20,960	21,739	0.4	85.1	83.9	83.1
Renewable .....	47	46	83	6.6	0.2	0.2	0.3
Total Nonutility .....	479	731	932	7.7	1.9	2.9	3.6
Industry .....	24,625	24,990	26,167	0.7	100.0	100.0	100.0

**Figure 1. Utility Generating Capability by Plant Type, 1998****Figure 2. Utility Generation by Primary Energy Source, 1998**

**Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1988, 1993, and 1998**  
(Megawatthours)

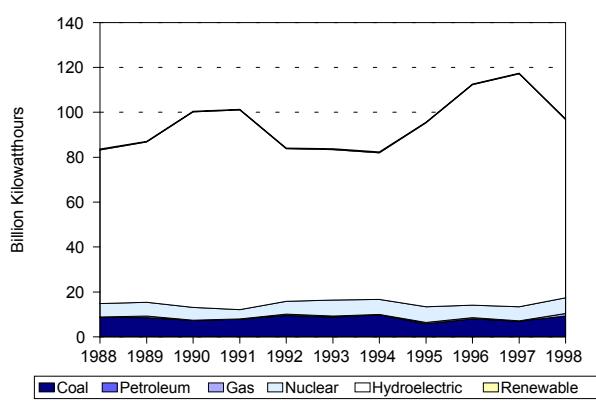
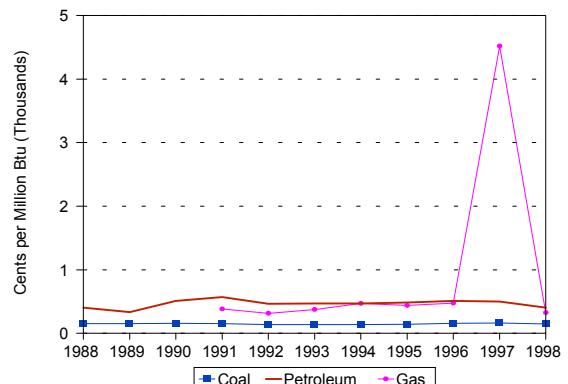
Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility .....	83,593,194	83,771,148	97,127,552	1.7	97.2	95.2	95.2
Coal .....	8,670,412	8,803,840	9,290,499	0.8	10.1	10.0	9.1
Petroleum .....	8,093	32,118	38,598	19.0	*	*	*
Gas .....	152,632	422,218	1,135,268	25.0	0.2	0.5	1.1
Nuclear .....	6,000,356	7,134,966	6,916,065	1.6	7.0	8.1	6.8
Hydroelectric .....	68,378,858	66,982,839	79,409,678	1.7	79.5	76.1	77.8
Renewable .....	382,843	395,167	337,444	-1.4	0.4	0.4	0.3
Total Nonutility .....	2,385,540	4,204,638	4,946,810	8.4	2.8	4.8	4.8
Industry .....	85,978,734	87,975,786	102,074,362	1.9	100.0	100.0	100.0

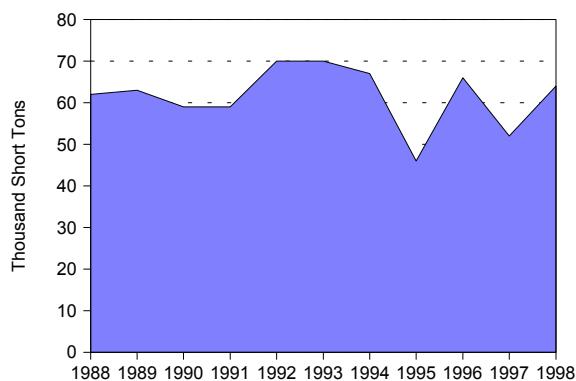
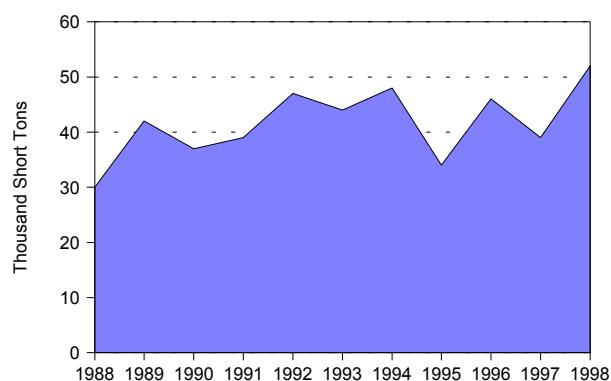
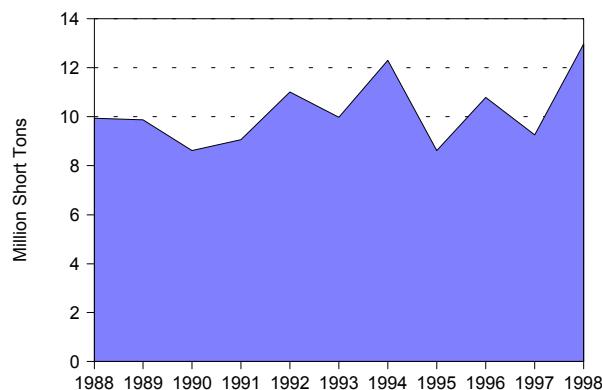
**Table 6. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988, 1993, and 1998**  
(Cents per Million Btu, 1998 Dollars)

Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Coal .....	155.2	136.0	148.7	-0.5
Petroleum .....	403.2	468.9	405.3	0.1
Gas .....	--	376.0	325.9	--

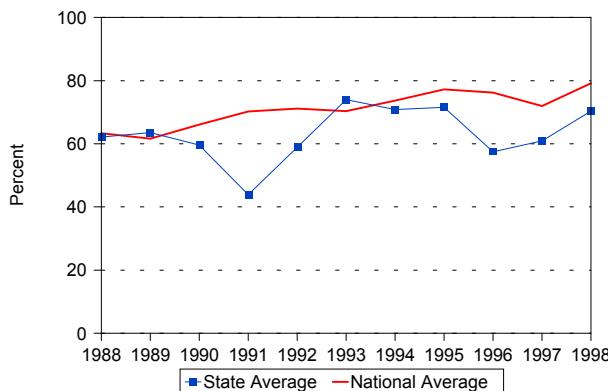
**Table 7. Electric Power Industry Emissions Estimates, 1988, 1993, and 1998**  
(Thousand Short Tons)

Emission Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Sulfur Dioxide .....	62	70	64	0.3
Nitrogen Oxides <sup>c</sup> .....	30	44	52	6.4
Carbon Dioxide <sup>c</sup> .....	9,945	9,982	12,977	3.0

**Figure 3. Utility Generation of Electricity by Primary Energy Source, 1988-1998****Figure 4. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988-1998**  
(1998 Dollars)

**Figure 5. Estimated Sulfur Dioxide Emissions, 1988-1998****Figure 6. Estimated Nitrogen Oxide Emissions, 1988-1998****Figure 7. Estimated Carbon Dioxide Emissions, 1988-1998****Table 8. Utility Retail Sales by Sector, 1988, 1993, and 1998 (Megawatthours)**

Sector	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Residential . . .	27,203,278	30,932,034	31,362,243	1.6	32.1	34.2	34.4
Commercial . . .	16,921,896	19,530,991	22,234,549	3.1	19.9	21.6	24.4
Industrial . . . .	36,909,181	36,562,815	33,807,481	-1.0	43.5	40.4	37.1
Other . . . . .	3,798,051	3,446,771	3,645,452	-0.4	4.5	3.8	4.0
Total . . . . .	84,832,411	90,472,611	91,049,725	0.8	100.0	100.0	100.0

**Figure 8. Nuclear Power Capacity Factor Comparison, 1988-1998****Table 9. Utility Retail Sales Statistics, 1988, 1993, and 1998**

Item	Investor-Owned	Public	Federal	Cooperative	Total
<b>1988</b>					
Number of Utilities .....	4	43	1	19	67
Number of Retail Customers .....	962,002	1,084,744	17	100,944	2,147,707
Retail Sales (MWh) .....	25,300,889	36,095,984	20,861,991	2,573,547	84,832,411
Percentage of Retail Sales .....	29.8	42.5	24.6	3.0	100.0
Revenue from Retail Sales (million 1998 dollars) <sup>d</sup> .....	1,417	1,379	744	133	3,673
Percentage of Revenue .....	38.6	37.6	20.2	3.6	100.0
<b>1993</b>					
Number of Utilities .....	4	42	1	19	66
Number of Retail Customers .....	1,089,684	1,208,783	16	113,950	2,412,433
Retail Sales (MWh) .....	28,998,455	42,271,580	16,282,776	2,919,800	90,472,611
Percentage of Retail Sales .....	32.1	46.7	18.0	3.2	100.0
Revenue from Retail Sales (million 1998 dollars) <sup>d</sup> .....	1,574	1,561	346	150	3,632
Percentage of Revenue .....	43.3	43.0	9.5	4.1	100.0
<b>1998</b>					
Number of Utilities .....	3	42	1	18	64
Number of Retail Customers .....	1,199,341	1,325,212	13	132,209	2,656,775
Retail Sales (MWh) .....	29,658,828	43,583,563	14,507,842	3,299,492	91,049,725
Percentage of Retail Sales .....	32.6	47.9	15.9	3.6	100.0
Revenue from Retail Sales (million 1998 dollars) <sup>d</sup> .....	1,636	1,610	269	154	3,670
Percentage of Revenue .....	44.6	43.9	7.3	4.2	100.0